

Enfora Enabler™ - IIIG

GSM/GPRS

Quad-Band OEM Module

The Enfora Enabler™ IIIG is a Fully Certified Quad Band OEM module containing all GSM/GPRS functionality required to create wireless products using global GSM/GPRS networks.

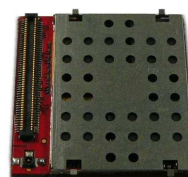
The Enfora Enabler™ IIIG incorporates leading-edge GSM/GPRS silicon solutions from Texas Instruments Incorporated.

The Enfora Enabler™ IIIG supports a comprehensive list of features including: Voice, SMS, Circuit Switched Data, GPRS Class 10 Data Integrated TCP/IP Software Stack, UDP (PAD) & Enfora's Event Driven I/O Engine.

Call your Enfora representative today or visit our website below.



www.enfora.com



GSM0308
Front View



GSM0308
Back View

Enabler IIIG Characteristics

Dimensions: 27.0mm x 28.0mm x 2.5mm
RF Connector: MCD Coaxial or Board-to-Board compressor
Main Connector: Molex 0.4mm Slim Stack 1.5mm Mating Height

Radio Performance

Radio Frequency: 850/900/1800/1900
Sensitivity: -106 dB (Typical)
Transmit Power: **Class 4** (2W @850/ 900 MHz)
Class 1 (1W @1800/1900 MHz)

GPRS Packet Data

Mode: Class B, Multislot 10
Protocol: GSM/GPRS Release 97, AMR Release 99
Coding Schemes: CS1-CS4
Packet Channel: PBCCH/PCCCH

GSM Functionality

Voice: FR, EFR, HR & AMR
CS Data: Asynchronous, Transparent and Non-Transparent up to 14.4 KB
GSM SMS: Text, PDU, MO/MT Cell broadcast

SIM Access

Remote SIM: 1.8/3V SIM

Optional Integrated SIM Carrier

Part Numbers

GSM0308-10 (B2B RF, W/O SIM Carrier)
GSM0308-11 (B2B RF, With SIM Carrier)
GSM0308-70 (MCD Coaxial, W/O SIM Carrier)
GSM0308-71 (MCD Coaxial, With SIM)

Application Interface

Host Protocols: AT Commands, UDP/API, CMUX
Internal Protocols: PPP, UDP/API, TCP/API, CMUX, TCP/PAD, UDP/PAD
API Control/Status: AT or UDP
Physical Interface: Serial 16550, USB 2.0
Peripheral Interface: 8 Programmable I/O
1 Analog Inputs
1 DAC
3 Audio (1 Digital Audio)
Key Features: Real-Time-Clock (RTC)
Event Engine Scripting
Friends IP, WakeUp & Keep Alive, Autoactivate

Environment

Operating: -30°C to 70°C
Compliant: -20°C to 60°C
Storage: -40°C to 85°C
Humidity: Up to 95% non-condensing

Power

DC Voltage: 3.3 Vdc to 4.5Vdc
Direct Connect to Lithium Ion Battery (3.6Vdc)

GSM Operating Power (Typical)

Enabler IIIG @ 3.6V	Avg	Peak	
Band	Mode	(mA) (A)@(dBm)	
GSM 850& 900	1TX/1RX	230mA	1.70 @ 32.5
	1RX	105mA	
	Idle	<10mA	

DCS 1800& PCS 1900	1TX/1RX	175mA	1.00 @ 29.0
	1RX	105mA	
	Idle	<10mA	

For GPRS Operating Power see Enabler-IIIG Integration Guide TBD

Certifications

FCC: Parts 15, 22 & 24
GCF: 3.25.0
PTCRB: 3.10.1
CE Mark
Industry Canada (CSA)